## ION DISCLOSURE CITATION IN AN APPLICATION

52637-0035

SERIAL NC 10/057,053 ORIGINALLY FILES

(PTO-1449) APPLICANT:

Shane TONISSEN et al.

ATTY. DOCKET NO.

FILING DATE: January 25, 2002

GROUP: 2661

**U.S. PATENT DOCUMENTS** Exam. Cite U.S. Patent Document Name of Patentee or Applicant Date of Publication of Pages, Columns, No.1 Initial\* Lines, Where of Cited Document Cited Document Kind Code<sup>2</sup> Number MM-DD-YYYY Relevant (If known) Passages or Relevant Figures Appear 5,822,374 *ک*٧٠ Levin 10/13/1998 6,128,348 W. Kao, et al. 10/02/2000 W. 5,903,608 Chun 05/11/1999 Technology Contar entitl

Exam.	Cite	Foreign Patent Document			Name of Patentee or Applicant	Date of	Pages,	T
Initial*	No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1
<b>≫</b> √.		WO	99 16224	A1	Telefonaktiebolaget LM Ericsson	04/01/1999		
₩.		EP	0 753 948	Al	Alcatel Bell	01/15/1997		

Examiner	Ann	Date Considered	112/25
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Substitute (us	or to Be	A/PTO (Modified) sheets as necessary)	Attorney Docket No.:  52637-0035  First Named Inventor:	Application Number: 10/057,053
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		OFFICE ADD NO DATE	January 25, 2002	
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL item (book, magazine, journal, serial, sym	ENT LITERATURE DOCUMENTS  LETTERS), title of the article (when appropring a posium, catalog, etc.), date, page(s), volume-ity and/or country where published	iate), title of the ssue number(s),
ðv.		"A Practical Discrete Multitone Transc Spectrally Shaped Channels", Peter S.	ceiver Loading Algorithm for Data Transn Chow, John M. Cioffi and John A.C. Bing (Apr 1995, vol. 43, no. 2/4, part 2, pg 773)	tham, IEEE
æv.		PCT/US 02/02299 International Search	n Report, 07/23/2002	
DV.		PCT/US 02/02294 International Search		
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		Number	Kind Code <sup>2</sup> (If known)	of Ched Document	MM-DD-YYYY	Relevant Passages or Relevant Figures Appear
ØV,		6,134,274		Sankaranarayanan et al.	10-17-2000	
DV.		2002/0044597	A1	Shively et al.	04-18-2002	1
&V.		6,704,367	B1	Wang et al.	03-09-2004	

Initial*  No. Office Number Kind Code Of Cited Document  Office Number Kind Code Of Cited Document  (If known)  Office Mumber Kind Code Of Cited Document  MM-DD-YYYY  Relevant Passages of Cited Document  Publication of Cited Document  MM-DD-YYYY  Relevant Passages of Cited Document		ite Foreign Patent Document	Name of Patentee or Applicant	Date of	Pages,
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